

DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

OLIGONUCLEOT	TIDE INHIBETORS O	F bcl-xL		
the specification of (check one)	which:			
(Check one)	is attache	ed hereto.		
	_	on January 2, 2001		as
		l No		
	• •	January 2, 2001		
	ana was amenueu	January 2, 2001	(if app	licable)
including the claims I acknowledge the du to be material to pa	s, as amended by any a uty to disclose to the U. tentability as defined i	nderstand the contents of the mendment referred to above S. Patent and Trademark On Title 37. Code of Federal	e. Iffice all inform Regulations, Se	ation known to ection 1.56.
Including the claims I acknowledge the du to be material to par I hereby claim foreig 365(b) of any forei International Applic	s, as amended by any a uty to disclose to the U. tentability as defined in m priority benefits under gn application(s) for p cation which designal	mendment rejerred to abov	e. Office all informa Regulations, Se de, Section 119 ate, or Section 1 her than the Un	ation known to ection 1.56. (a)-(d) or Sect 865(a) of any P nited States, lis certificate, or P
I acknowledge the du to be material to par I hereby claim foreig 365(b) of any forei International Applications. I have also International Applications	s, as amended by any a uty to disclose to the U. tentability as defined in m priority benefits under gn application(s) for p cation which designate identified below any fo ation having a filing de	S. Paient and Trademark On Title 37. Code of Federal Title 35. United States Contains or inventor's certification of least one country officers on the paien of a paien or paien.	effice all informa Regulations, Se de, Section 119 ate, or Section 2 her than the Un at or inventor's o st application fi	ation known to ection 1.56. (a)-(d) or Sect 865(a) of any P nited States, lis certificate, or P
Including the claims I acknowledge the du to be material to part I hereby claim foreig 365(b) of any forei International Application I have also below. I have also below is claimed: Prior Foreign Application	s, as amended by any a uty to disclose to the U. tentability as defined in m priority benefits under gn application(s) for p cation which designate identified below any fo ation having a filing de	S. Paient and Trademark On Title 37. Code of Federal Title 35. United States Contains or inventor's certification of least one country officers on the paien of a paien or paien.	effice all informa Regulations, Se de, Section 119 ate, or Section 2 her than the Un at or inventor's o st application fi	ation known to ection 1.56. (a)-(d) or Sect 865(a) of any P nited States, lis certificate, or P rom which prio
I acknowledge the duto be material to part of the following the foreign and foreign applications. I have also in ternational application and foreign applications. The foreign applies and foreign and foreign applies and foreign and for	s, as amended by any a uty to disclose to the U. tentability as defined in priority benefits under gn application(s) for position which designation having a filing defication(s)	S. Paient and Trademark On Title 37. Code of Federal Title 35. United States Contains or inventor's certificated at least one country of one before that of the earlies	effice all informations, Section 119 de, Section 119 de, or Section 1 der than the United or inventor's application from the Control of the C	ation known to ection 1.56. (a)-(d) or Sect. 865(a) of any Printed States, listertificate, or Prom which priory Claimed
Including the claims I acknowledge the du to be material to part I hereby claim foreig 365(b) of any forei International Application I have also below. I have also below is claimed: Prior Foreign Application	s, as amended by any a uty to disclose to the Utentability as defined in priority benefits under gn application(s) for position which designate identified below any for attion having a filing defication(s)	S. Patent and Trademark Con Title 37. Code of Federal Title 35. United States Contains or inventor's certificated at least one country of the preign application for patentials before that of the earlies. Filing Date	effice all informa Regulations, Se de, Section 119 ate, or Section 2 aer than the Un at or inventor's a st application fi Priority	ation known to ection 1.56. (a)-(d) or Sect. 865(a) of any Printed States, listertificate, or Prom which priory Claimed
Including the claims I acknowledge the du to be material to part I hereby claim foreig 365(b) of any forei International Application International Application is claimed: Prior Foreign Appli	s, as amended by any a uty to disclose to the Utentability as defined in priority benefits under gn application(s) for position which designate identified below any for attion having a filing defication(s)	S. Patent and Trademark Con Title 37. Code of Federal Title 35. United States Contains or inventor's certificated at least one country of the preign application for patentials before that of the earlies. Filing Date	effice all informa Regulations, Se de, Section 119 ate, or Section 2 aer than the Un at or inventor's a st application fi Priority	ation known to ection 1.56. (a)-(d) or Sect. 865(a) of any Printed States, listertificate, or Prom which priory Claimed

I hereby claim the benefit under Title 35. United States Code, Section 120 of any United States Application(s), or Section 365(c) of any PCT International Application(s) designating the United States listed below. Insofar as this application discloses and claims subject matter in addition to that disclosed in any such prior Application in the manner provided by the first paragraph of Title 35. United States Code, Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56, which became available between the filing date(s) of such prior Application(s) and the national or PCT international filing date of this application:

Cianic

Application Serial No.	Filing Date	<u> </u>
09/109,614	2 July 1998	pending
PCT/US99/15250	2 July 1999	pending

And I hereby appoint

John P. White (Reg. No. 28,678); Christopher C. Dunham (Reg. No. 22,031); Norman H. Zivin (Reg. No. 25,385); Jay H. Maioli (Reg. No. 27,213); William E. Pelton (Reg. No. 25,702); Robert D. Katz (Reg. No. 30,141); Peter J. Phillips (Reg. No. 29,691); Wendy E. Miller (Reg. No. 35,615); Richard S. Milner (Reg. No. 33,970); Robert T. Maldonado (Reg. 38,232); Paul Teng (40,837); Richard F. Jaworski (Reg. No. 33,515); Elizabeth M. Wieckowski (Reg. No. 42,226); Pedro C. Fernandez (Reg. No. 41,741); Gary J. Gershik (Reg. No. 39,992); Jane M. Love (Reg. No. 42,812); Spencer H. Schneider (Reg. No. 45,923) and Raymond A. Diperna (Reg. No. 44,063).

and each of them, all c/o Cooper & Dunham LLP, 1185 Avenue of the Americas, New York, New York 10036, my attorneys, each with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, to transact all business in the Patent and Trademark Office connected therewith and to file any International Applications which are based thereon under the provisions of the Patent Cooperation Treaty.

Declaration and Pow	er of Attorney			•	Page 3
Please address all co	mmunications, and dire	ct all telephone	calls,	regarding this appl	lication to:
John P. W				28,678	
Cooper & Du 1185 Avenue New York, Ne Tel. (212) 27	of the Americas w York 10036		ş. 140. <u> </u>		
made on information a the knowledge that will or both, under Section	all statements made her nd belief are believed to ful false statements and n 1001 of Title 18 of the lidity of the application	be true: and fu the like so mad United States (rther to de are Code a	hat these statements punishable by fine c and that such willful	s were made with or imprisonment,
Full name of sole or first joint inventor (Cv A. Stein/				
Inventor's signature_					
Citizenship United S	States of America	Date of sign	ature_		
Residence 11 Dolph	nin Road, New City	, New York	1095	6, U.S.A.	
Post Office Address_s	same as residence	address	-		
			···········		
Full name of joint inventor (if any)		·			
Inventor's signature_					
Citizenship		Date of sign	nature	 	
Residence					
Post Office Address	·		·		
				· .	
Full name of joint inventor (if any)			 		
Inventor's signature					
Citizenship		Date of sign	nature		

Residence_

Post Office Address_

Dkt. 55669-A-PCT-US/JPW/PJP



DECLARATION AND POWER OF ATTORNEY

As a 40 inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

OLIGONUCLEOTIDE INHIBITORS OF BCL-XL

	TIONS OF BEE-1	X.C	
the specification of which (check one)			
is attached hereto.			
X was filed on January 2, 2001		as	
Application Serial No. 09/753,169			
and was amended on January 2, 200	1		
	(if applicabl	e)	
I hereby state that I have reviewed and understa specification, including the claims, as amended by			
I acknowledge the duty to disclose information of vexamination of this application in accordance with Section 1.56(a).			
I hereby claim foreign priority benefits under Title 3 foreign application(s) for patent or inventor's certification any foreign application for patent or inventor's of the application on which priority is claimed:	cate listed below an	id have also i	dentified
Prior Foreign Application(s) Number Country PCT/US99/15250 PCT	Filing Date July 2, 1999	Priority C <u>Yes</u> <u>x</u>	laimed <u>No</u>

I hereby claim the benefit under Title 35. United States Code Section 119(e) of any United States provisional application(s) listed below:

Filing Date	<u>Status</u>
	Filing Date

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States Application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Sections 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	<u>Status</u>
09/109,614	2 July 1998	Pending as of July 2, 1999
PCT/US99/15250	2 July 1999	Pending as of January 2, 2001

And I hereby appoint

John P. White (Reg. No. 28,768; Christopher C. Dunham (Reg. No. 22,031); Norman H. Zivin (Reg. No. 25, 385); Jay H. Maioli (Reg. No. 27,213); William E. Pelton (Reg. No. 25,702); Robert D. Katz (Reg. No. 30,141); Peter J. Phillips (Reg. No. 29,691); Wendy E. Miller (Reg. No. 35,615); Richard S. Milner (Reg. No. 33,970); Robert T. Maldonado (Reg. No. 38,232); Paul Teng (Reg. No. 40,837); Richard F. Jaworski (Reg. No. 33,515); Pedro C. Fernandez (Reg. No. 41,741); Gary J. Gershik (Reg. No. 39,992); Jane M. Love (Reg. No. 42,812): Spencer H. Schneider (Reg. No. 45,923); Alan J. Morrison (Reg. No. 37,399); Alan D. Miller (Reg. No. 42,889); Christopher M. Ries (Reg. No. 45,799) and Frank Bruno (Reg. No. 46,583)

and each of them, all c/o Cooper & Dunham LLP of 1185 Avenue of the Americas, New York, New York 10036 (Tel. 212 278-0400), my attorneys, each with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, to transact all business in the Patent and Trademark Office connected therewith and to file any International Applications which are based thereon under the provisions of the Patent Cooperation Treaty.

Please address all communications, and direct all telephone calls, regarding this application to

John P. White
Cooper & Dunham LLP
1185 Avenue of the Americas
New York, N.Y. 10036
Tel. (212) 278-0400

Reg. No. 28,678

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or
first joint inventor <u>Cy A. Stein</u>
Inventor's signature
Citzenship U.S.A. Date of signature
Residence 11 Dolphin Road, New City, New York 10956 11 S A
Post Office Address same as above
Full name of sole or
first joint inventor Paul Cossum
Inventor's signature
Citzenship AUSTRALIA Detaction 1/21/21
Residence 27 S. WINDSAIL PL THE WOODLANDS, TX 77381
Post Office Address same as above
Full name of sole or
first joint inventor <u>Robert Rando</u>
Inventor's signature
Citzenship Date of signature
Residence 5 Blown Ct. Annandale, NJ 08801
Post Office Address same as above
Full name of sole or
first joint inventor <u>Joshua Owjang</u>
Inventor's signature
Citzenship United States Date of signature
Residence 1313 NW 195th Street, Edmond, Okahoma 73003
Post Office Address same as above



ECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

OLIGONUCLEOTIDE INHIBITORS OF BCL-XL

the specification of (check one)	which		
is	attached hereto.		
<u>X</u> _w	vas filed on <u>January 2</u>	2, 2001	as
Appli	ication Serial No. <u>09/75</u>	53,169	
and w	vas amended on January	y 2, 2001	·
		(if applicabl	le)
I acknowledge the d	ing the claims, as amen uty to disclose informat	understand the contents of aded by any amendment reference of which I am aware where with Title 37, Code of	erred to above:
below any foreign ap) for patent or inventor'	r Title 35, United States Coo s certificate listed below an eventor's certificate having a led:	d have also identified
Prior Foreign Applic <u>Number</u> <u>PCT/US99/15250</u>	cation(s) <u>Country</u> <u>PCT</u>	Filing Date July 2, 1999	Priority Claimed Yes No X —————————————————————————————————

I hereby claim the benefit under Title 35. United States Code Section 119(e) of any United States provisional application(s) listed below:

Provisional Appl. No.	Filing Date	<u>Status</u>
<u>N/A</u>		

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States Application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Sections 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	<u>Status</u>
09/109,614	2 July 1998	Pending as of July 2, 1999
PCT/US99/15250	2 July 1999	Pending as of January 2, 2001

And I hereby appoint

John P. White (Reg. No. 28,768; Christopher C. Dunham (Reg. No. 22,031); Norman H. Zivin (Reg. No. 25, 385); Jay H. Maioli (Reg. No. 27,213); William E. Pelton (Reg. No. 25,702); Robert D. Katz (Reg. No. 30,141); Peter J. Phillips (Reg. No. 29,691); Wendy E. Miller (Reg. No. 35,615); Richard S. Milner (Reg. No. 33,970); Robert T. Maldonado (Reg. No. 38,232); Paul Teng (Reg. No. 40,837); Richard F. Jaworski (Reg. No. 33,515); Pedro C. Fernandez (Reg. No. 41,741); Gary J. Gershik (Reg. No. 39,992); Jane M. Love (Reg. No. 42,812): Spencer H. Schneider (Reg. No. 45,923); Alan J. Morrison (Reg. No. 37,399); Alan D. Miller (Reg. No. 42,889); Christopher M. Ries (Reg. No. 45,799) and Frank Bruno (Reg. No. 46,583)

and each of them, all c/o Cooper & Dunham LLP of 1185 Avenue of the Americas, New York, New York 10036 (Tel. 212 278-0400), my attorneys, each with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, to transact all business in the Patent and Trademark Office connected therewith and to file any International Applications which are based thereon under the provisions of the Patent Cooperation Treaty.

Please address all communications, and direct all telephone calls, regarding this application to

Reg. No. 28,678

John P. White Cooper & Dunham LLP 1185 Avenue of the Americas New York, N.Y. 10036 Tel. (212) 278-0400 I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or	
first joint inventor _ Cy A	. Stein
Inventor's signature	
	Date of signature
Residence 11 Dolphin Ros	ad, New City, New York 10956, U.S.A.
Post Office Address <u>sam</u>	e as above
Full name of sole or	
first joint inventor Paul	Cossum
Inventor's signature	
-	Date of signature
	Pl. The Woodlands, TX 77381
Post Office Address <u>sam</u>	e as above
TC 11	
Full name of sole or	D I.
first joint inventor <u>Robe</u>	
Inventor's signature	i = 1
Citizenship United States	= 1 '
Residence 3 Brown Ct.,	
Post Office Address <u>sam</u>	e as above
Full name of sole or	
first joint inventorJosh	ua Ojwang
	Date of signature
	Street, Edmond, Oklahoma 73003
Post Office Address sam	e as above

Dkt. 55669-A-PCT-US/JPW/PJP

EECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

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OLIGONUCLEOTIDE INHIBITORS OF BCL-XL

the specification of which (check one)	
is attached hereto.	
X was filed on January 2, 2001	as
Application Serial No. <u>09/753,169</u>	
and was amended on January 2, 2001	·
(if applicable)	
I hereby state that I have reviewed and understand the contents of the a specification, including the claims, as amended by any amendment referred to I acknowledge the duty to disclose information of which I am aware which is	o above:
examination of this application in accordance with Title 37, Code of Federa Section 1.56(a).	al Regulations,
I hereby claim foreign priority benefits under Title 35, United States Code, Sec foreign application(s) for patent or inventor's certificate listed below and have below any foreign application for patent or inventor's certificate having a filing of the application on which priority is claimed:	also identified
Number	ority Claimed Yes No X

Declaration	and	Power	of	Attorne	y
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Page 2

I hereby claim the benefit under Title 35. United States Code Section 119(e) of any United States provisional application(s) listed below:

Provisional Appl. No. N/A	Filing Date	<u>Status</u>

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States Application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Sections 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	<u>Status</u>
09/109,614 PCT/US99/15250	2 July 1998 2 July 1999	Pending as of July 2, 1999 Pending as of January 2, 2001

And I hereby appoint

John P. White (Reg. No. 28,678); Donald S. Dowden (Reg. No. 20,701); Christopher C. Dunham (Reg. No. 22,031); Ivan S. Kavrukov (Reg. No. 25,161); Norman H. Zivin (Reg. No. 25,385); William E. Pelton (Reg. No. 25,702); Jay H. Maioli (Reg. No. 27,213); Robert D. Katz (Reg. No. 30,141); Peter J. Phillips (Reg. No. 29,691); Richard S. Milner (Reg. No. 33,970); Wendy E. Miller (Reg. No. 35,615); Richard F. Jaworski (Reg. 33,515); Paul Teng (Reg. No. 40,837); Pedro C. Fernandez (Reg. No. P-41,741).

and each of them, all c/o Cooper & Dunham LLP of 1185 Avenue of the Americas, New York, New York 10036 (Tel. 212 278-0400), my attorneys, each with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, to transact all business in the Patent and Trademark Office connected therewith and to file any International Applications which are based thereon under the provisions of the Patent Cooperation Treaty.

Please address all communications, and direct all telephone calls, regarding this application to

John P. White	Reg. No	28 678
Cooper & Dunham LLP		20,070
1185 Avenue of the Americas		
New York, N.Y. 10036		
Tel. (212) 278-0400		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or	
first joint inventor	Cy A. Stein
Inventor's signature	
Citizenship <u>U.S.A.</u>	Date of signature
	in Road, New City, New York 10956, U.S.A.
Post Office Address	same as above
Full name of sole or	
first joint inventor	Paul Cossum
Inventor's signature	
Citizenship Australia	Date of signature
Residence 27 S. Win	dsail Pl. The Woodlands, TX 77381
Post Office Address	same as above
Full name of sole or	
	Robert Rando
Inventor's signature	Abbert Raine
Citizenship	Date of signature
Post Office Address	same as above
Full name of sole or	
first joint inventor	Joshua Ojwang
Inventor's signature	BARNO
Chizenship United S	Date of signature $\frac{1}{2}$
	195 th Street, Edmond, Oklahoma 73003
Post Office Address	same as above